

# Flight-Resource

A Division of  **McFarlane**

**World's Largest MT-Propeller Distributor**

## Cessna 180 & 182

### MT 2-Blade 83" Propeller Performance Test Results

Aircraft Model: C182 Engine: Continental O-470S, 230HP @ 2600 rpm

Ambient conditions: 1000 MSL and 75F aircraft at #2950 lbs

#### Propellers Tested:

- MT MTV-15-D/210-58. 83" 2-blade 'Expedition' Series composite prop.
- McCauley 2A34C20390D. 82" 2-blade aluminum prop.
- McCauley 403 Series 78" 3-blade Aluminum prop.

#### Weight:

- |                                  |           |
|----------------------------------|-----------|
| • MT 83" 2-blade w/spinner       | 46 pounds |
| • McCauley 82" 2-blade w/spinner | 56 pounds |
| • McCauley 78" 3-blade w/spinner | 72 pounds |

#### Static Thrust (2600 rpm):

- |                        |            |
|------------------------|------------|
| • MT 83" 2-blade       | 920 pounds |
| • McCauley 82" 2-blade | 870 pounds |
| • McCauley 78" 3-blade | 825 pounds |

#### Take-off distance over 50' obstacle:

- |                    |           |
|--------------------|-----------|
| • MT 2-blade       | 1280 feet |
| • McCauley 2-blade | 1355 feet |
| • McCauley 3-blade | 1390 feet |

#### Climb performance: (1000 MSL & 70F)

- |                    |         |
|--------------------|---------|
| • MT 2-blade       | 920 fpm |
| • McCauley 2-blade | 810 fpm |
| • McCauley 3-blade | 780 fpm |

#### Cruise performance: (C182 @ 6000' MSL, full throttle & 2400 rpm)

- |                    |             |
|--------------------|-------------|
| • MT 2-blade       | 143 Kts TAS |
| • McCauley 2-blade | 141 Kts TAS |
| • McCauley 3-blade | 134 Kts TAS |

To learn more about this prop

**866-717-1117**

[www.Flight-Resource.com](http://www.Flight-Resource.com)

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